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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/809,489	03/15/2001	Uk-Jin Kang	678-604(P9457)	5670

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EXAMINER

FLEMING, FRITZ M

ART UNIT	PAPER NUMBER
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2182

DATE MAILED: 01/12/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/809,489

Applicant(s)

KANG ET AL.

Examiner

Fritz M Fleming

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

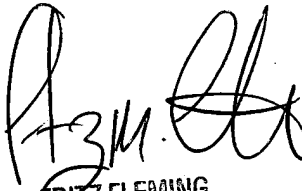
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04 October 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.


FRITZ FLEMING
PRIMARY EXAMINER
GROUP 2100

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 04 October 2004 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

1. Applicant's arguments filed 10/4/2004 have been fully considered but they are not persuasive. After reviewing the arguments presented by applicants, the examiner maintains the rejection of record based upon the following analysis. First of all, claim 1 requires that the PBX connection board be connected to the Internet. The manner by which this connection is achieved is neither specified nor limited in any way whatsoever. Therefore, as long as the PBX connection board is eventually connected to the Internet, then the recitation is anticipated. Turning to Shiran et al., one sees the PBX 12 connected via its IP unique connection board 74 to the LAN 16 to the server 14 to the intranet 18 to the firewall 24 and then to the Internet 28. Thus, it has been shown how the PBX 12 is connected to the Internet 28. Continuing with claim 1, one finds the web server (at communications server 14 with built in proxy server 50 with HTTP server 52) coupled to remote clients 22-26,32, with the web server connected to the PBX via the LAN 16 and connected to the internet via 18,24, for the purpose of managing a database of a user program for the PBX per column 7, lines 6-27. For claim 4, the LAN connection board 74 of the key phone/PBX is connected to the Internet as explained above, a remote client 26 is connected to the internet, the web server 14 is connected to the client 26 through the 18,24,28 connection, with authorization per login routine 102, so that a database 108 on the web server 14 can be updated and the update be uploaded/downloaded via the database import/export, again per column 7, lines 7-27. Thus anticipation has been properly shown. Amended claim 7 is shown per the

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connection of the LAN connection board in the PBX 12 to the internet via 14,18,24, requesting access to the web server 52 at 14 by the IP of the web server (columns 3 and 4) by a remote client to carry out the PCMMC (defined by applicants to include the column 7 database configuration), with authenticating via 102 at the software complex 90 on the web server 14, the selecting of an intended site for programming at 108 for updating the database via the import/export, connecting a remote client to this database via the login 102, updating and storing the database via the lock/unlock and import/export of the database per column 7, lines 6-27, and then requesting the web server to upload the updated database to the PBX of the intended site at the ADP 70 which is a file server on the PBX 12. Thus anticipation has been properly shown.

Applicants seem to argue an allegedly distinguishing feature of the claim language is that the web server is connected to the PBXs (incorrectly argued as only a single PBX/key phone appears in the claims) via the Internet to allow for a one to many connection. This is incorrect, as the claims do not require this type of a cascaded connection (i.e. PBX to webserver to internet), as claim 1 is broader as claim 1 only requires, without additional limitation) that the PBX connection board be connected to the internet and that the web server be connected to the PBX and the Internet, which does not specify a multiple PBX to webserver to internet connection. But Shiran et al. do show this anyways, per the PBX to web server to Internet connection explained above, which allows for a one to many connection, as multiple remote clients are able to access the web server. Thus by relying on page 5, lines 1-3 of the specification, applicants are improperly attempting to import limitations to the connections claimed.

Claims 2,3,5,6,8 are argued merely upon dependence, and thus such is not persuasive.

Drawings

2. The drawings were received on 10/6/04. These drawings are disapproved.

3. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description: The drawings have been amended to include reference numerals 21a,b,n which is approved by the examiner; however, the drawings were not properly labeled in the top margin as "Replacement Sheet" per revised amendment practice. However, the specification was not amended in a similar manner to include these drawing changes, and it is suggested that the specification be amended per below to resolve this issue. Corrected drawing sheets in compliance with 37 CFR 1.121(d), or amendment to the specification to add the reference character(s) in the description in compliance with 37 CFR 1.121(b) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

INFORMATION ON HOW TO EFFECT DRAWING CHANGES

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Replacement Drawing Sheets

Drawing changes must be made by presenting replacement figures which incorporate the desired changes and which comply with 37 CFR 1.84. An explanation of the changes made must be presented either in the drawing amendments, or remarks, section of the amendment. Any replacement drawing sheet must be identified in the top margin as "Replacement Sheet" (37 CFR 1.121(d)) and include all of the figures appearing on the immediate prior version of the sheet, even though only one figure may be amended. The figure or figure number of the amended drawing(s) must not be labeled as "amended." If the changes to the drawing figure(s) are not accepted by the examiner, applicant will be notified of any required corrective action in the next Office action. No further drawing submission will be required, unless applicant is notified.

Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin.

Annotated Drawing Sheets

A marked-up copy of any amended drawing figure, including annotations indicating the changes made, may be submitted or required by the examiner. The annotated drawing sheets must be clearly labeled as "Annotated Marked-up Drawings" and accompany the replacement sheets.

Timing of Corrections

Applicant is required to submit acceptable corrected drawings within the time period set in the Office action. See 37 CFR 1.85(a). Failure to take corrective action within the set period will result in ABANDONMENT of the application.

If corrected drawings are required in a Notice of Allowability (PTOL-37), the new drawings MUST be filed within the THREE MONTH shortened statutory period set for reply in the "Notice of Allowability." Extensions of time may NOT be obtained under the provisions of 37 CFR 1.136 for filing the corrected drawings after the mailing of a Notice of Allowability.

Specification

4. The disclosure is objected to because of the following informalities: For example, the discussion of the "related art" does not mention all things of Figure 1. The CO 14 and the CO LINE and SIO need explanation in order to fully explain what is shown.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

6. Claims 1-8 are rejected under 35 U.S.C. 102(e) as being anticipated by Shiran et al.

For claim 1, note the PBX 12, its LAN connection board 74 (i.e. conventional LAN circuit provided with HICOM switches), a unique IP address (software drivers for 74 and provision of TCP/IP protocol, thereby providing a unique IP address) and a connection to the Internet 28 via 14, 18 and 24. A web server is seen at communications server 14 as it has a built in proxy server 50 with HTTP server 52 that allows remote clients 22-26,32 to manage a database in administrator 108 (column 7, lines 6-27 to include database configuration like authorized users, client names, passwords and the like), as managing is very broad to include things like accessing switch applications (column 2)

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or the ability to allow remote users to access the switch using a commercially available web browser, in order to manage connectivity between software applications residing on the telecom switch and network applications residing on the remote clients. The problems of the related art switch configuration are thus overcome (column 1, lines 22-42) by being able to have user-friendly interface to telecom switch software, such as configuration software and databases via remote and concurrent application sessions. The web server is connected to the PBX and Internet per Figures 1 and 2. Per claim 2, note the use of HTTP server 52 that can run JAVA servlets 63 to permit JAVA based web browsers on the remote computers 22,26 to easily access switch applications and services in which JAVA applets can be transferred to the clients to allow remote users to enter data, and ultimately the export and import of database information (column 7, 108 administrator component), thereby anticipating both the upload and download of database information via the remote accessing of administrator component 108 by a remote client. The predetermined authorization procedure is discussed in detail by, for example, the login routine 102. The IP of Point to Point is anticipated by the use of sockets, client server session control, modem connection 30 and single point entry. Regarding claims 4-6, a PBX is a key phone system, and the above discussion shows a LAN connection board 74 connected to the Internet 28 via routing due to intermediate connection of server 14, intranet 18 and firewall 24. A remote client 26 is connected to the same Internet 28. The web server 14 is connected to the client 26 through the internet 28 with a predetermined authentication procedure, supra, so that the remote clients can update a database on 14 at 108 via the database import/export, which

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entails at least a request to upload/download database information to/from the destination sites at the server 14 and clients 26. While PCMMC is not addressed verbatim, such is addressed, as per applicants' definition of PCMMC to include storing data corresponding to a particular input function code, which is anticipated by database configuration of column 7. Regarding claims 7 and 8, at least a message is sent to/from the PBX/WEB SERVER/CLIENTS by activating a web browser via HTTP server 52 on server 14 and the providing of a web page at proxy server 50 (column 3, lines 32-48), the requesting of access to the web server by a client per columns 3-4 by TCP/IP in order to perform a PCMMC, supra, authentication via 102, connecting a remote client 26 to the database in 108 per column 7, updating the database and storing such via the database import/export, and finally uploading any changes to the PBX 12 by the web server 14 via the LAN 16 to the ADP 70, which is a file server on switch 12 that provides file management services to include database management services for the local switch.

Conclusion

7. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any

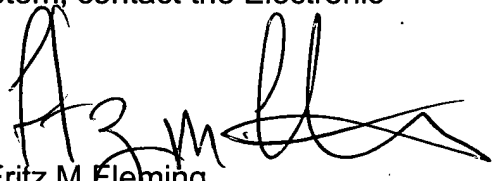
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extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Fritz M Fleming whose telephone number is 571-272-4145. The examiner can normally be reached on M-F, 0600-1500.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey Gaffin can be reached on 571-272-4146. The fax phone number for the organization where this application or proceeding is assigned is 571-272-2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Fritz M Fleming
Primary Examiner
Art Unit 2182

fmf